

Figure

Figure 2

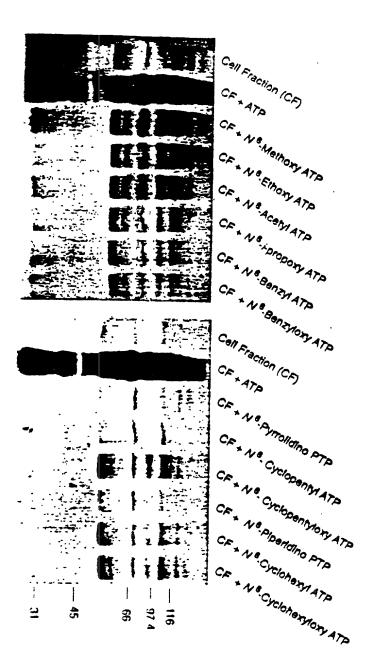


Figure 3

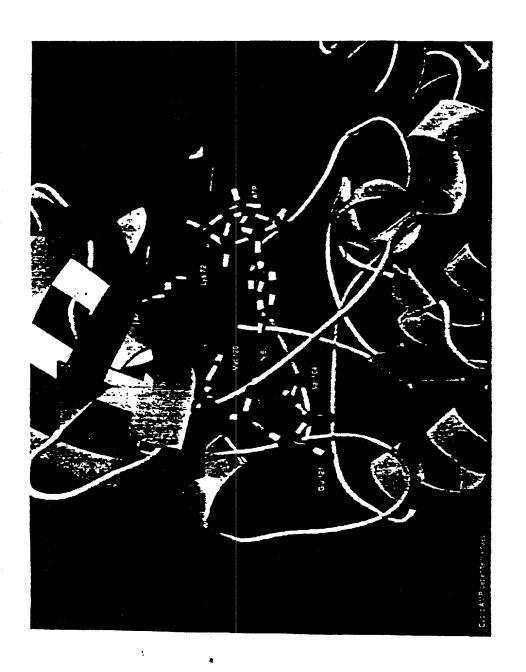


Figure 4

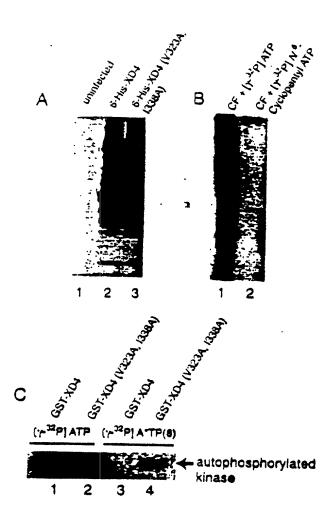


Figure 5

「乳腺素腫乳を飼」 - contribute Application became a probability 世紀 北京 1 cm - cm -

GST-XD4

GST-XD4(V323A,1338A)

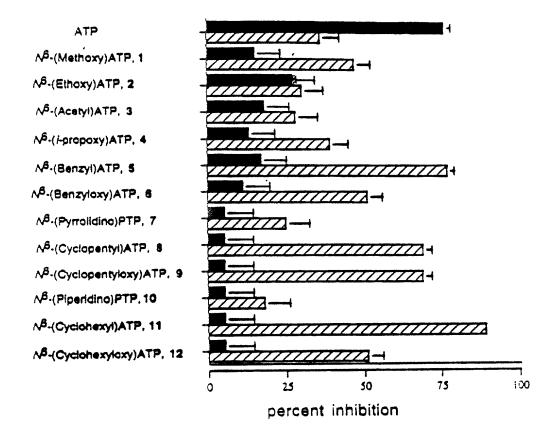


Figure 6

[7-32P] ATP



1338A 1338S

[7-32P] N⁶-cyclopentyl ATP



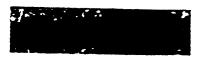
1338A 1338S

[7-32P] ATP



1338A 1338G

 $[\gamma^{32}P]$ N⁶-cyclopentyl ATP



1338A 1338G

Figure 7

· 推荐建建设建长 (1947) 建建设设施 (1948) (1948)

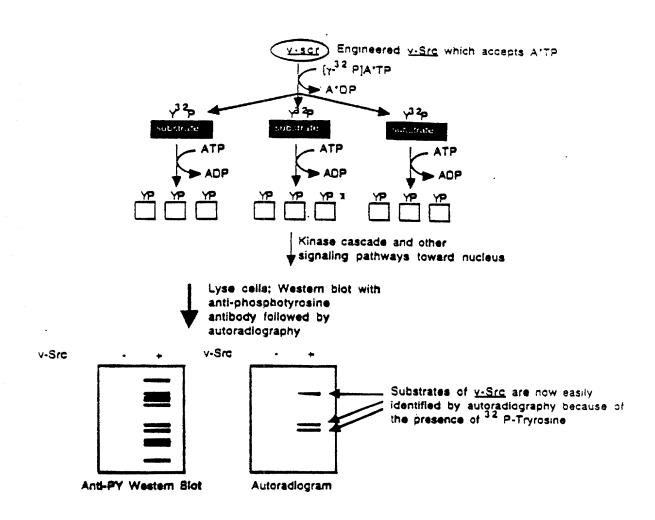


Figure 8

A. Damnacanthal

B. PP1

图1911年中 115mm - 801 - 8 485 - 3 集 44 **期度1 期** 4 基 年 5

A. N-4 Acyl Analogues

C. In vitro Inhibition Data

		$IC_{50}(\mu M)$	
R'=	WT fyn	WT src	I338G src
H cyclobutoyl	0.08	35 >>400	<1 12
cyclopentoyl	400	>>400	5
cyclohexoyl benzoyl 2-furoyl	50 >400	>>400 >>400 >>400	20 50 150

Figure 10

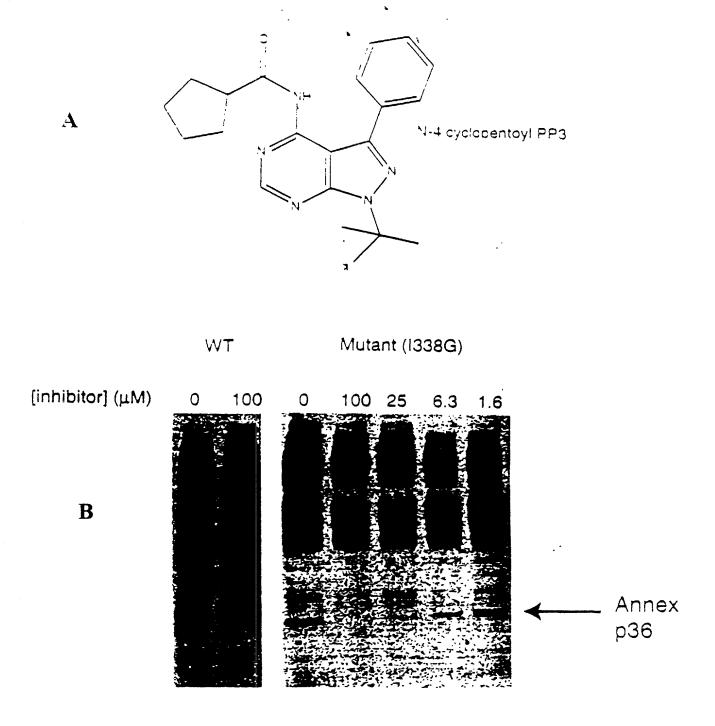


Figure 11

 IC_{50} (μM)

	Molecule	WT XD4	[338G :XD4	WT Fyn	T339G Fyn	WT Abl	T120A Abl
a	1) (1)	35	0.13	0.05			< 0</th
b	384		200	>300			
c)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		300	₹300			
d	2X4		>300	>300			
e	28°	>300	75	>300	100		>10
f	084	>300	250	>300	26		>10
g	St.	>300	85	>300	63		>10
h	087 084						
j	0 0 7 7 7						

Figure 12A

compare great

j	O T T			•	1		
k	38.						
1	34.	>300	12	6.5	5		
m	287	>300	19	80	9		
n	2000	>300	20	50	5		
0	3,50	>300	150	15	19		
p	186	>300	10	30 0	i 1		(10
q	486	>300	10	300	6		(10
r	Ara		1.2				<10
S	A STATE OF THE STA		0.63				
t	58°		(0.411				1.8
u	**************************************	>300	0.43	300	0.83	300	110

Figure 12B

						•	
v	3.30		·	,			
W					`		
X	2.XX						>:0
у	19.C	100	(0.05	0.1			
z	24°		>100	>300			
aa	7.00			2			
bb	180 180 180			7			
cc							•
dd	36 36						
ee	2,C						

Figure 12C

_							 -
ff	J			b -	,		
gg	2.7						
hh	2,2						
ii							
jj	35			1			
kk	0,2						
11	300						
mn							
n	n Cin	>1000	0.510	0.4		<<6.5	
0	0 0 0 0	>300	>10	>300			

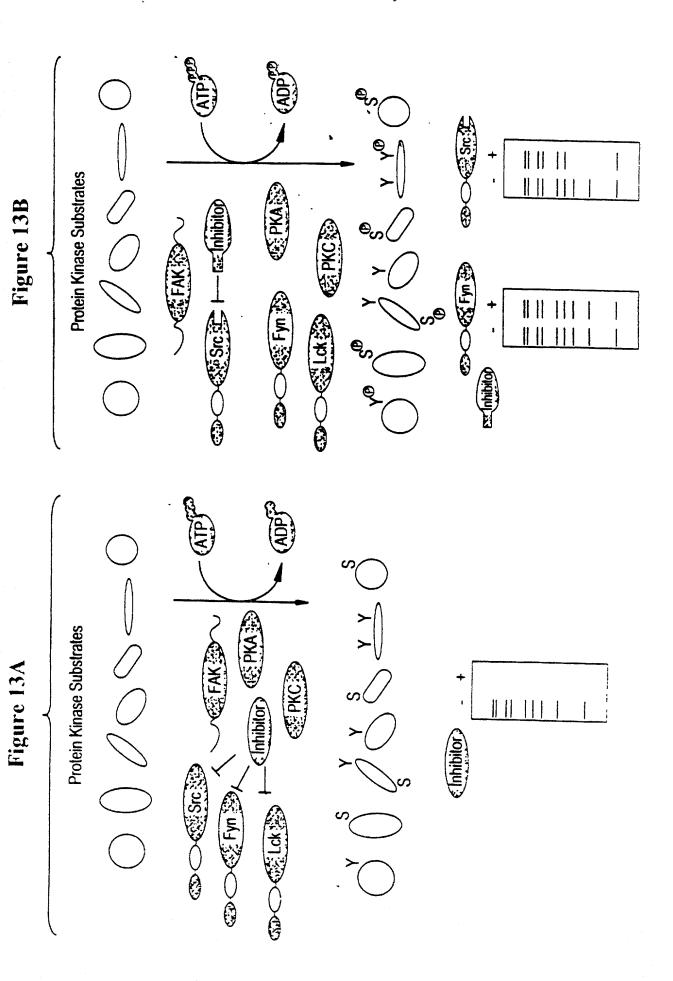
Figure 12D

_						
pp	0000	>300	>10	>300		
qq	5/2°C	>300	>10	· >300		
rr	C 8 C	>300	>10	>300		
SS	080 {80	>300	>10	≫00	÷	
tt	080	>300	>10	>300		
uu	OBS	>300	>10	>300		
vv	380	>300	>10	>300		
ww	0000	>300	>10	>300		
xx	30080	>300	>10	>300		
						1

Figure 12E

уу				•	•	
zz	う谷の	<10	2.5	,<<10		
aaa	030	>300	>10	`>300		
bbb	0.8%	>300	>10	>300		
ccc	OBS	>300	>10	>300		
ddd	080	>300	>10	>300		
e ee	0480	>300	>10	>300		
fff	080	>300	>10	>300		

Figure 12F



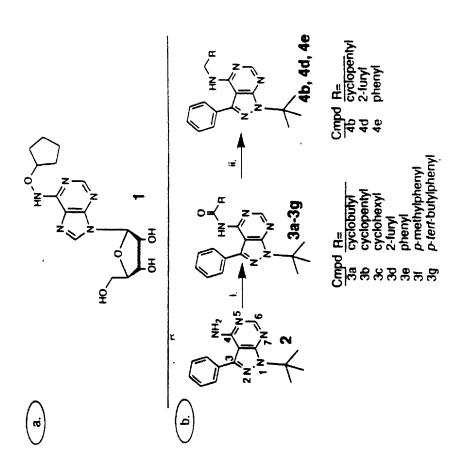


Figure 14

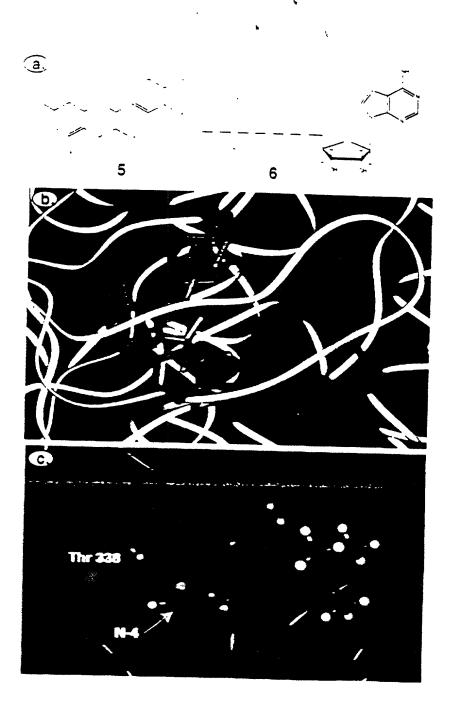


Figure 15

a separate meneral formation of the first field of

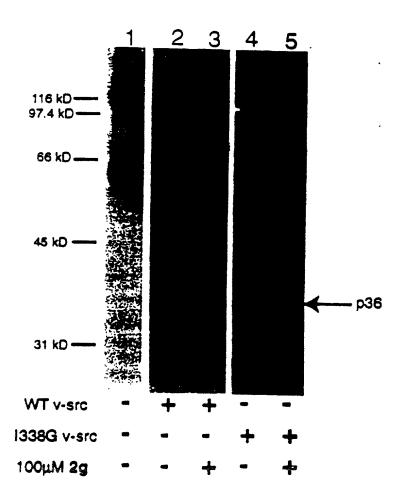


Figure 16

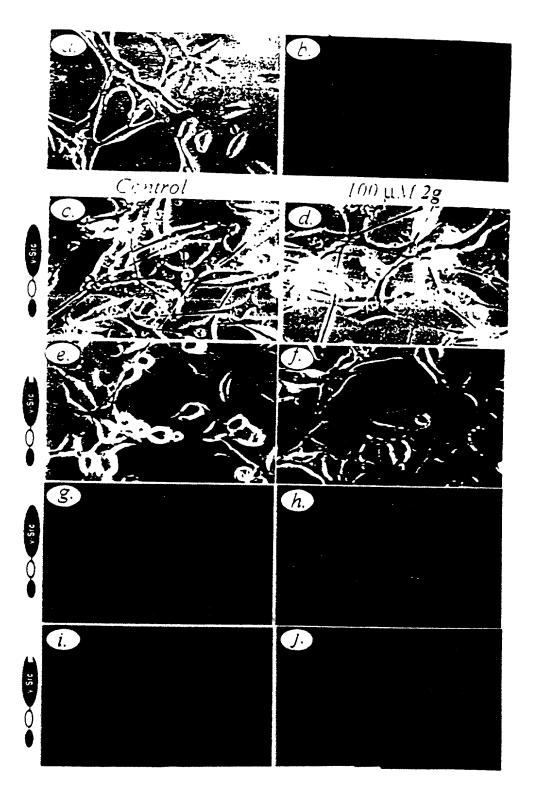
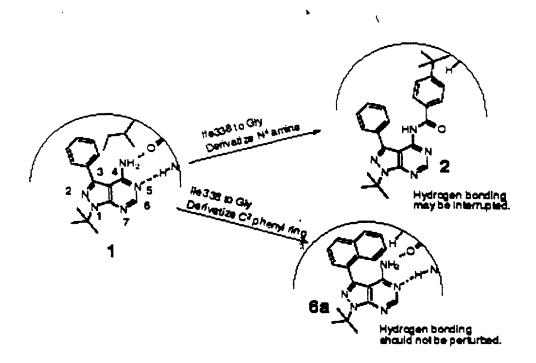


Figure 17

Figure 18



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Figure 19

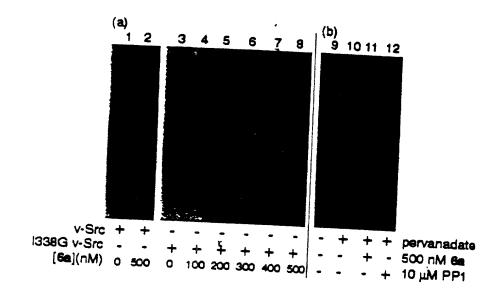


Figure 20

n na kalang tekki kapp (Nickos Faires jan 1

- 4. 4 000 MBH 1483 B

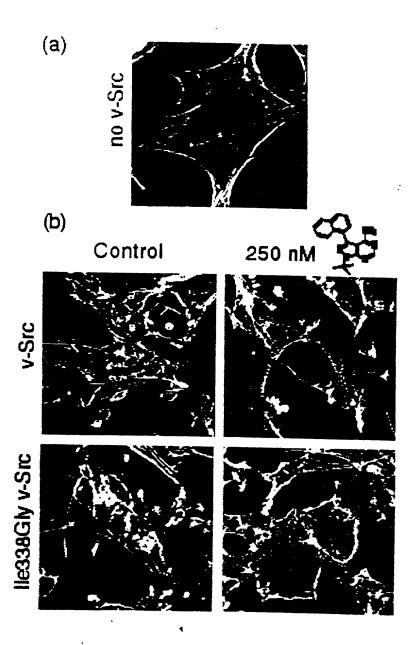


Figure 21

a. 1464 **(M**29 | 146 | 15 | 15 |

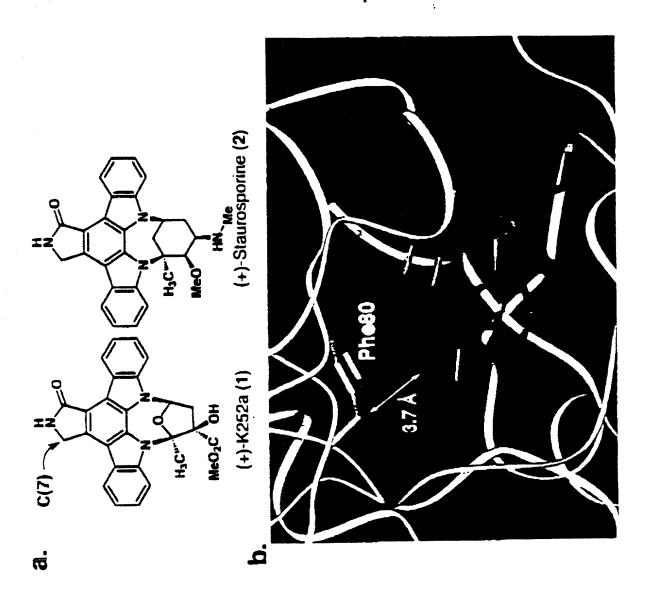
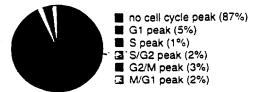


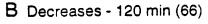
Figure 23

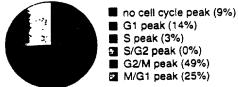
a management of the second

Figure 24

A All S. cerevisiae genes (6,200)





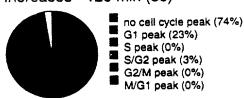


Unreg		S		PHO3	-21.5	M/G1	
AMI1	-3	HTB2	-4.6	PHO5	-10.6	AGA2	-6.5
BARI	·5.1	MET14	-29	PRYI			
					-3.2	EC1.5	->83
PUT4	-3.2	C0/44		RPI1	-2.7	FAA3	٦.7
SLIN4	. 41	G2/M		SOLI	-3.8	GYPE	٠Z.â
YBR677C	-2.6	ALK1	-3.5	SKN1	-2.5	IAHZ	-3.4
YEROS7W	· 3.5	ATF2	- 5 .1	STE2	·2. 5	ICS4	4.7
_		BNS1	+3.7	STES	-5.8	MCM3	·2.5
G1		CDC20	-4,1	SUR7	.2.5	PCLS	4.9
CTS1	-28.4	CDCS	-3	5W15	-3.1	PIRI	-3.7
GPH1	-2.9	CLB2	-4.1	UTHI	-2.5	PTS1	-3.5
MFA1	-3.2	OBF2	-2.6	WSC4	-6.9	SPII	-2.6
PRY3	-2.7	FAR1	-20.4	YDR033W	-13.6	YGP1	-3.5
RME1	-3.1	HST3	-4.1	YILISBW	-3.1	YNLO46W	-57
RPC10	-41.2	MFAZ	4.9	YJL051W	4	YNR067C	-194
SCW11	-16.4	MYOI	•3	YLR254C	4.2	YORGGUW	-3.7
YER124C	-9.8	PHO11	-4.9	YML119W	-4.1	YOR264W	-4.7
YHR218W	-3	PHQ12	-5.9	YNLOSEC	-3.1	YPL158C	-16
				YRQ2	-7.8		-

S/G2

2 5

C Increases - 120 min (38)



Unreg				G1	
BIOS	2.6	WESORAY	4,5	CLNZ	3.3
DIC1	2.5	YBR241C	3.7	CSIZ	3.2
ERRT	2.5	YCR059C	2.5	PCLI	4.7
GSC3	2.5 3:2	YELO70W	3	PRYZ	3
GUTZ	3.9	YFL061W	3.2	SRO4	2.9
HEMIS	2.8	YGLOSIW	2.8	YLL012W	2.6
MALS	4,1	YGL179C	3.5	YLR324W	4
MRP20	2.7	YHR214W-A	2.8	YNLJOOW	2.5
NG#1	3.5	YIL169C	20.1	YPS4	3.4
PES4	3.1	YLR042C	6.1		
SKM1	2.7	YMR103C	2.7		
SPO11	5.9	YMR107W	3.5		
THI13	2.6	YOR343C	3.3		
TH121	2,5	YPL280W	3.1		

D Genomic trends

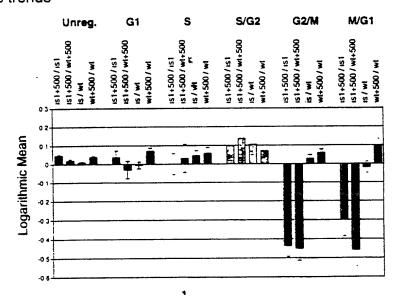


Figure 25

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•	J

Specificity Cellular Function	oncogenic transformation	lymphocyte activation	F-actin binding, transcription	Thr long-term potentiation, memory Thr mammalian cell cycle progression Thr S. cerevisiae cell cycle progression Thr S. cerevisiae mating
Spec	T,	Ţ	Τχ	Ser/Thr Ser/Thr Ser/Thr Ser/Thr
Kinase Family	Src	Src	Abi	calcium/calmodulin dependent "Ser/Thr cyclin dependent Ser/Thr cyclin dependent Ser/Thr mitogen-activated Ser/Thr
Protein Kinase Kinase Family	v-Src	c-Fyn	c-Abl	CAMK II CDK2 CDC28 Fus3

338

	•	

ف

v-Src	(318)	(318) RHEKLVQLYAMVSEEPIYIVIEYMSKGSLLDFLKGEMGKY
Fyn	(319	(319) KHDKLVQLYAVVSEEPIYIVTEYMNKGSLLDFLKDGEGRA
Abl	(294	(294) KHPNLVQLLGVCTREPPFYIITEFMTYGNLLDYLRECNRQE
CamK II	(89)	Camk II (68) KHPNIVRLHDSISEEGHHYLIFDLVTGGELFEDIVAREY
cdk2	(88)	(59) NHPNIVKLLDVIHTENKLYLVFEFLHQDLKKFMDASALTG,
Cdc28	(99)	(66) KDDNIVRLYDIVHSDAHKLYLVFEFLDLDLKRYMEGIPKDQP
Fus3	(67)	(67) KHENIITIFNIQRPDSFENFNEVYIIQELMQTDLHRVISTQM

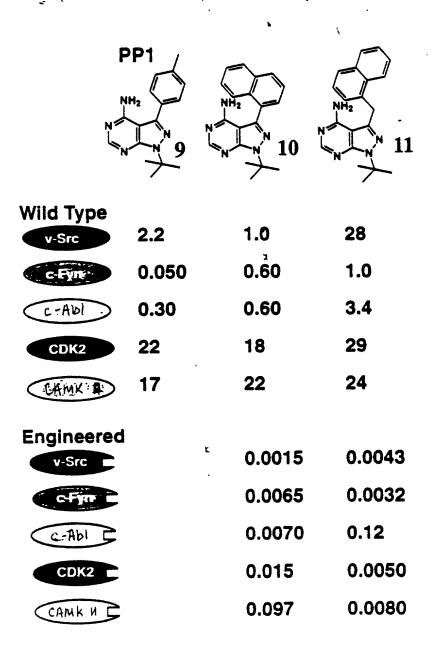


Figure 28